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Atty Docket No.: PATENT  
764164504017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Papanikolaou et al.

Serial No.: 09/940,053

Art Unit: 2637

Filed: August 27, 2001

Examiner: Chang, Edith M.

Title: Adaptive Equalizer with Large Data Rate Range

Commissioner for Patents  
Mail Stop Issue Fee  
P. O. Box 1450  
Alexandria, VA 22313-1450


Sir:

**Request for Consideration of Information Disclosure Statements**

Applicant requests that the Information Disclosure Statements ("IDS") filed on February 15, 2002 and May 8, 2003 be considered and made of record in the above-captioned case. The IDSs were received and acknowledged by the Patent Office as evidenced by the postcards with OIPE stamp date. Attached are copies of each IDS with references submitted to the Patent Office.

No fee is believed to be due for entry of these Information Disclosure Statements. However, if any fee should be required, please charge such fee to Jones Day's Deposit Account No. 501432, Reference No. 764164605017.

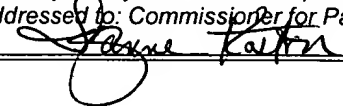
Respectfully submitted,

  
\_\_\_\_\_  
Joseph M. Sauer, Esq., Reg. No. 47,919  
Jones Day  
North Point/901 Lakeside Avenue  
Cleveland, Ohio 44114  
(216) 586-3939

Date: February 2, 2006.

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\_\_\_\_\_  
/Suzanne Koston on February 3, 2006.



Express Mail No.: \_\_\_\_\_  
Docket No.: 764164-605017  
Application No.: 09/940,053  
Patent/Registration No.: \_\_\_\_\_  
Trademark: \_\_\_\_\_

Date Mailed: May 8, 2003  
Applicant: Papanikolaou et al.  
Filing Date: 8/27/2001  
Issue/Registration Date: \_\_\_\_\_  
Title: Adaptive Equalizer with Large Data Rate Range

THE USPTO ACKNOWLEDGES AND HAS STAMPED THE DATE OF RECEIPT OF THE ITEMS CHECKED BELOW:

<input type="checkbox"/> Affidavit (____ pages)	<input type="checkbox"/> Design Patent Application Transmittal
<input type="checkbox"/> Amendment (____ pages)	<input type="checkbox"/> Utility Patent Application Transmittal
<input type="checkbox"/> Application Papers	<input type="checkbox"/> Issue Fee Transmittal
<input type="checkbox"/> sheets of drawing(s) (formal/informal)	<input type="checkbox"/> Maintenance Fee Transmittal Form
<input type="checkbox"/> pages specification	<input type="checkbox"/> Notice of Opposition
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<input type="checkbox"/> pages claims	<input type="checkbox"/> Preliminary Amendment (____ pages)
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<input type="checkbox"/> PCT Calculation sheet	<input type="checkbox"/> Revocation of Power of Attorney and Appointment of New Attorney
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<input type="checkbox"/> Declaration (____ pages)	<input type="checkbox"/> Statement of Use
<input type="checkbox"/> Declaration/Power of Attorney (____ pages)	<input type="checkbox"/> Status Inquiry
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Transmittal Letter
<input checked="" type="checkbox"/> IDS & PTO-1449 and	<input type="checkbox"/> Check - Amount \$ _____
<input type="checkbox"/> <u>6</u> cited item(s)	<input type="checkbox"/> Other
<input type="checkbox"/> Provisional Application for Patent cover sheet	





Atty Docket No.: PATENT  
764164605017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Papanikolaou et al.

Serial No.: 09/940,053

Art Unit: 2631

Filed: August 27, 2001

Examiner: Unknown

Title: Adaptive Equalizer with Large Data Rate Range

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:


**Supplemental Information Disclosure Statement**

This Statement is submitted in compliance with 37 C.F.R. §1.56 and §1.97(b)(3).

A list of patent(s) and/or publication(s) is set forth on the attached Form PTO-1449. A copy of each item listed is enclosed.

If any additional fees required for the proper filing of this Information Disclosure Statement are required please debit Jones Day's Deposit Account No. 501432 (Reference: 764164605017).

Respectfully submitted,

  
\_\_\_\_\_  
Joseph M. Sauer, Reg. No. 47,919  
Jones Day  
North Point/901 Lakeside Avenue  
Cleveland, Ohio 44114  
(216) 586-3939

Date: May 8, 2003

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\_\_\_\_\_  
May 8, 2003.



*(Use as many sheets as necessary)*

Sheet	1	of	2
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PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

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**Complete if Known**

Application Number	09/940 053
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Filing Date	8/27/2001
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First Named Inventor	Papanikolaou et al.
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Art Unit	2631
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Examiner Name	Unknown
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Attorney Docket Number	764164605017
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## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

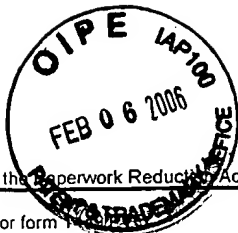
Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Substitute for form 1

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	09/940053
Filing Date	8/27/2001
First Named Inventor	Papanikolaou et al.
Art Unit	2631
Examiner Name	Unknown
Attorney Docket Number	764164605017

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Watanabe et al., "Adaptive Line Enhancers with Discriminated Structures", Electronics and Communications in Japan, Part 3, Vol. 79, No. 11, 1996, pp 57-68 XP 000681160, New York.	
		Guinea, Stacey, "Analog and Digital Circuit Techniques in Telecom Design for ISDN", International Symposium on Circuits and Systems, pp 137-140, XP000795192 New York.	

Examiner  
SignatureDate  
Considered

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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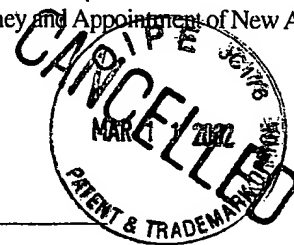
Express Mail No.: \_\_\_\_\_  
Docket No.: 764164-605017  
Application No.: 09/940053  
Patent/Registration No.: \_\_\_\_\_  
Trademark: \_\_\_\_\_

Date Mailed: February 15, 2002  
Applicant: ~~XXXXXXXXXX~~ Papanikolaou et al.  
Filing Date: 8/27/2001  
Issue/Registration Date: \_\_\_\_\_  
Title: Adaptive Equalizer w/Large Data Rate Rante

THE USPTO ACKNOWLEDGES AND HAS STAMPED THE DATE OF RECEIPT OF THE ITEMS CHECKED BELOW:

☐ Affidavit (\_\_\_\_ pages)  
☐ Amendment (\_\_\_\_ pages)  
☐ Application Papers  
    \_\_\_\_ sheets of drawing(s) (formal/informal)  
    \_\_\_\_ pages specification  
    \_\_\_\_ pages description  
    \_\_\_\_ pages claims  
    \_\_\_\_ pages abstract  
    \_\_\_\_ pages of PCT Request  
    \_\_\_\_ PCT Calculation sheet  
  
☐ Application Data Sheet  
☐ Assignment (\_\_\_\_ pages) ☐ Assignment cover sheet  
☐ Declaration (\_\_\_\_ pages)  
☐ Declaration/Power of Attorney (\_\_\_\_ pages)  
☐ Fee Transmittal Form  
☒ IDS & PTO-1449 and  
    14 cited item(s)  
☐ Provisional Application for Patent cover sheet

☐ Design Patent Application Transmittal  
☐ Utility Patent Application Transmittal  
☐ Issue Fee Transmittal  
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☐ Notice of Opposition  
☐ Petition for Extension of Time  
☐ Preliminary Amendment (\_\_\_\_ pages)  
☐ Renewal Application (\_\_\_\_ pages)  
☐ Response (\_\_\_\_ pages)  
☐ Revocation of Power of Attorney and Appointment of New Attorney  
☐ Small Entity Statement  
☐ Specimens  
☐ Statement of Use  
☐ Status Inquiry  
☐ Transmittal Letter  
☐ Check - Amount \$ \_\_\_\_\_  
☐ Other \_\_\_\_\_





PATENT

Atty Docket No.: 764164605017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Papanikolaou et al.  
Serial No: 09/940,053 Art Unit: 2631  
Filed: August 27, 2001 Examiner: Not Yet Assigned  
For: Adaptive Equalizer With Large Data Rate Range

Commissioner for Patents  
Washington, D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

This Statement is submitted in compliance with 37 C.F.R. § 1.56.

A list of patent(s) and/or publication(s) is set forth on the attached Form PTO-1449. A copy of each item listed is enclosed.

CERTIFICATE OF MAILING

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Suzanne Koston

Name

February 15, 2002

Date

Signature

Any additional fees required for the proper filing of this Information Disclosure Statement should be withdrawn from the Jones, Day, Reavis & Pogue Deposit Account No. 501432, account 764164605017.

Respectfully submitted,

A handwritten signature in black ink, reading "David Cochran", with a horizontal line drawn underneath it.

David B. Cochran

(Reg. No. 39,142)

JONES, DAY, REAVIS & POGUE

North Point/901 Lakeside Avenue

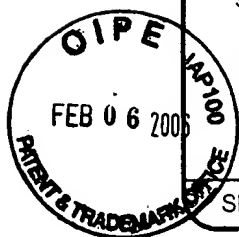
Cleveland, OH 44114

(216) 586-3939



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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/940053
				Filing Date	August 27, 2001
				First Named Inventor	Papanikolaou et al.
				Group Art Unit	2631
				Examiner Name	Unknown
				Attorney Docket Number	764164605017
Sheet	1	of	2		

[illegible]

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		FR	2665808			2/14/1992	
		DE	3545263			6/25/1987	
		EP	0 437945			7/24/1991	
		EP	0 611059			8/17/1994	
		EP	0 073 400			3/9/1983	

Examiner Signature		Date Considered	
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	2	of	2
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<b>Application Number</b>	09/940053
<b>Filing Date</b>	August 27, 2001
<b>First Named Inventor</b>	Papanikolaou et al.
<b>Group Art Unit</b>	2631
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	764164605017

[illegible]Date  
Considered

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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